

1. A split ice making and delivery system comprising:

- (a) a condenser and compressor sub-assembly which compresses and condenses refrigerant;
- 5 (b) a remote ice making sub-assembly having a rotating auger, a fresh water freeze chamber adapted to be filled with portable fresh water and an outlet wherein rotation of said auger forces out, of said outlet, ice product; and,
- 10 (c) a refrigerant delivery sub-assembly coupled to said condenser and compressor sub-assembly and said remote ice making sub-assembly for delivering therebetween said refrigerant wherein said refrigerant delivery sub-assembly has a length sufficient to reach a remote room or remote location and to reach said remote ice making sub-assembly remote from said condenser and compressor sub-assembly.

2. The system of CLAIM 1, further comprising:

- 20 (d) an ice storage bin is located in close proximity to said remote ice making sub-assembly; and,
- (e) means for channeling ice product from said remote ice making sub-assembly to said ice storage bin wherein said ice channeling means

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has a length of 10 feet or less.

3. The system of CLAIM 1, further comprising:

(d) a housing unit for housing said remote ice making sub-assembly, said housing unit comprises:

(i) means for channeling ice which is coupled to the outlet of said remote ice making sub-assembly;

(ii) a lid covering a top of said housing unit;

(iii) rear brackets for securing said housing unit to a wall;

(iv) a manual reset button to allow manual reset when said ice clogs said sub-assembly,

wherein said housing has a height of approximately 29 $\frac{1}{2}$ inches and a width and depth of 10 inches.

4. The system of CLAIM 3, further comprising:

(e) an ice storage bin located adjacent to said remote ice making assembly.

5. The system of CLAIM 4, wherein:

said housing further comprises:

(v) a first coupler; and,

said ice storage bin comprises:

(i) a second coupler adapted to connect to said

first coupler to secure said ice storage bin to
said housing.

6. The system of CLAIM 1, wherein:

said refrigerant delivery sub-assembly comprises:

5 (i) a refrigerant delivery line and

(ii) a refrigerant return delivery line; and,

said remote ice making assembly further comprises:

(i) an evaporator coiled around said auger having
a refrigerant inlet line for receiving
refrigerant via a refrigerant delivery line
from the condenser and compressor sub-assembly
and a refrigerant outlet line which expels
spent refrigerant on return refrigerant
delivery line to the condenser and compressor
sub-assembly.

10 7. The system of CLAIM 1, further comprising:

(d) a control temperature sensor integrated or
affixed into an ice storage bin wherein as said
ice product reaches a predetermined level, a
decrease in temperature is realized at said
control temperature sensor and said condenser
and compressor sub-assembly and said remote ice
making sub-assembly are deactivated.

15 8. The system of CLAIM 1, further comprising:

20 (d) valve means for metering the refrigerant in-

line between said remote ice making sub-assembly and said condenser and compressor sub-assembly.

9. The system of CLAIM 1, wherein said condenser and compressor sub-assembly includes one of a water cooled for marine application or an air cooled condenser for recreational vehicle application.

10. A split ice making and delivery system for marine use, the system comprising:

- 10 (a) a water cooled condenser and compressor sub-assembly located on an engine deck of a marine craft in which raw water is drawn from ambient water about a marine vessel for the operation thereof and which compresses and condenses refrigerant;
- 15 (b) a remote ice making sub-assembly having a rotating auger, a fresh water freeze chamber adapted to be filled with fresh water and an outlet wherein rotation of said auger forces out, of said outlet, ice product; and,
- 20 (c) a refrigerant delivery sub-assembly coupled to said water cooled condenser and compressor sub-assembly and said remote ice making sub-assembly for delivering therebetween said refrigerant wherein said refrigerant delivery

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- sub-assembly has a length sufficient to reach
an upper level, remote room or remote location
of the marine vessel and to reach said remote
ice making sub-assembly remote from said water
cooled condenser and compressor sub-assembly.
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11. The system of CLAIM 10, further comprising:
- (d) an ice storage bin is located in close
proximity to said remote ice making sub-
assembly; and,
- 10
- (e) means for channeling ice product from said
remote ice making sub-assembly to said ice
storage bin wherein said ice channeling means
has a length of 10 feet or less.
12. The system of CLAIM 10, further comprising:
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- (d) a housing unit for housing said remote ice
making sub-assembly, said housing unit
comprises:
- (i) means for channeling ice which is coupled
to the outlet of said remote ice making
20 sub-assembly;
- (ii) a lid covering a top of said housing
unit;
- (iii) rear brackets for securing said housing
unit to a wall;
- 25
- (iv) a manual reset button to allow manual

reset when said ice clogs said sub-assembly,

wherein said housing has a height of approximately 29 $\frac{1}{2}$ inches and a width and depth of 10 inches.

5 13. The system of CLAIM 12, further comprising:

(e) an ice storage bin located adjacent to said remote ice making assembly.

14. The system of CLAIM 13, wherein:
said housing further comprises:

10 (v) a first coupler; and,

said ice storage bin comprises:

(i) a second coupler adapted to connect to said first coupler to secure said ice storage bin to said housing.

15 15. The system of CLAIM 10, wherein:

said refrigerant delivery sub-assembly comprises:

(i) a refrigerant delivery line and

(ii) a refrigerant return delivery line; and,

said remote ice making assembly further comprises:

20 (i) an evaporator coiled around said auger having a refrigerant inlet line for receiving refrigerant via a refrigerant delivery line from the condenser and compressor sub-assembly and a refrigerant outlet line which expels spent refrigerant on return refrigerant

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delivery line to the a water cooled condenser
and compressor sub-assembly.

16. The system of CLAIM 10, further comprising:
(d) a control temperature sensor integrated or
5 affixed into an ice storage bin wherein as said
ice product reaches a predetermined level, a
decrease in temperature is realized at said
control temperature sensor and said water
cooled condenser and compressor sub-assembly
10 and said remote ice making sub-assembly are
deactivated.
17. The system of CLAIM 10, further comprising:
(d) valve means for metering said refrigerant in-
line between said remote ice making sub-
assembly and said water cooled condenser and
compressor sub-assembly.
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18. A split ice making and delivery system for
marine use, the system comprising:
(a) a water cooled condenser and compressor sub-
20 assembly located on an engine deck of a marine
craft in which raw water is drawn from ambient
water about a marine vessel for the operation
thereof and which compresses and condenses
refrigerant;
25 (b) a combination remote ice making sub-assembly

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and ice storage bine wherein said remote ice
making sub-assembly includes a rotating auger,
a fresh water freeze chamber adapted to be
filled with portable fresh water and an outlet
wherein rotation of said auger forces out, of
said outlet, ice product into said ice storage
bin; and,

5 (c) a refrigerant delivery sub-assembly coupled to
said water cooled condenser and compressor sub-
assembly and said remote ice making sub-
assembly for delivering therebetween said
refrigerant wherein said refrigerant delivery
sub-assembly has a length sufficient to reach
an upper level, remote room or remote location
10 of the marine vessel and to reach said remote
ice making sub-assembly remote from said water
cooled condenser and compressor sub-assembly.

15 19. The system of CLAIM 18, further comprising:

20 (d) a housing unit for housing said remote ice
making sub-assembly, said housing unit
comprises:

(i) means for channeling ice which is coupled
to the outlet of said remote ice making
sub-assembly;

25 (ii) a lid covering a top of said housing

unit;

(iii) rear brackets for securing said housing unit to a wall;

5 (iv) a manual reset button to allow manual reset when said ice clogs said sub-assembly,

wherein said housing has a height of approximately 29 $\frac{1}{2}$ inches and a width and depth of 10 inches.

20. The system of CLAIM 18, wherein:

10 said refrigerant delivery sub-assembly comprises:

(i) a refrigerant delivery line and

(ii) a refrigerant return delivery line; and,

said remote ice making assembly further comprises:

(i) an evaporator coiled around said auger having
15 a refrigerant inlet line for receiving refrigerant via a refrigerant delivery line from the compressor and condenser sub-assembly and a refrigerant outlet line which expels spent refrigerant on return refrigerant delivery line to the a water cooled condenser
20 and compressor sub-assembly.